

### **Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the subject application.

### **Listing of Claims:**

1. (previously presented) A plug connection device, comprising:  
  
a contact pin formed from a drawn metal wire, the contact pin having an outer surface with machining marks formed in a longitudinal direction;  
  
a receiving element having openings, each of the openings having an inner surface that contacts the outer surface of the contact pin when the contact pin is received therein; and  
  
the plug connection device having grooves extending in a radial direction wherein a distance between adjacent grooves is smaller than a distance between adjacent openings.
2. (original) The plug connection device according to claim 1, wherein the receiving element is made from a non-conductive material and the contact pin is made from a conductive material.
3. (original) The plug connection device according to claim 1, wherein the grooves extend transversely to a mating direction of the contact pin.
4. (previously presented) The plug connection device according to claim 1, wherein the machining marks are removed in an area of the grooves.

5. (previously presented) The plug connection device according to claim 1, wherein the grooves extend further in a radial direction than in the longitudinal direction.
6. (previously presented) The plug connection device according to claim 1, wherein the grooves are inclined with respect to the longitudinal direction.
7. (original) The plug connection device according to claim 6, wherein the grooves are inclined by about 45 degrees.
8. (original) The plug connection device according to claim 1, wherein the grooves have a teardrop shape.
9. (original) The plug connection device according to claim 1, wherein the grooves are formed on the inner surface of the openings of the receiving element and the outer surface of the contact pins.
10. (previously presented) Contact pins for a plug connection device, each of the contact pins comprising:
  - an outer surface with machining marks formed in a longitudinal direction and contact pin grooves extending in a radial direction, wherein a distance between adjacent contact pin grooves is smaller than a distance between adjacent contact pins, and each of the contact pins is formed from a drawn metal wire.

11. (original) The contact pins according to claim 10, wherein the contact pin grooves extend transversely to a mating direction of a receiving element.
12. (previously presented) The contact pins according to claim 10, wherein the machining marks are removed in an area of the contact pin grooves.
13. (cancelled)
14. (previously presented) The contact pins according to claim 10, wherein the contact pin grooves are inclined with respect to the longitudinal direction of the contact pin.
15. (original) The contact pins according to claim 14, wherein the contact pin grooves are inclined by about 45 degrees.
16. (original) The contact pins according to claim 10, wherein the contact pin grooves have a teardrop shape.
17. (previously presented) The contact pins according to claim 10, wherein the contact pin grooves extend further in a radial direction than in the longitudinal direction.
18. (currently amended) A receiving element for a plug connection device, comprising:  
openings with a substantially uniform inner surface formed for contacting a contact pin,  
the inner surface having receiving element grooves extending in a radial direction, wherein a

distance between adjacent receiving element grooves is smaller than a distance between adjacent openings, the receiving element grooves extend further in a radial direction than in a longitudinal direction, and the receiving element is made from a non-conductive material.

19. (cancelled)

20. (original) The receiving element according to claim 18, wherein the receiving element grooves extend transversely to a mating direction of a contact pin.

21. (original) The receiving element according to claim 18, wherein machining marks are removed in an area of the receiving element grooves.

22. (cancelled)

23. (original) The receiving element according to claim 18, wherein the receiving element grooves are inclined with respect to a longitudinal direction of the opening.

24. (original) The receiving element according to claim 23, wherein the receiving element grooves are inclined by about 45 degrees.

25. (currently amended) A receiving element for a plug connection device, comprising:  
openings with a substantially uniform inner surface formed for contacting a contact pin,  
the inner surface having receiving element grooves extending in a radial direction, wherein a

distance between adjacent receiving element grooves is smaller than a distance between adjacent openings, the receiving element is made from a non-conductive material, and  
The receiving element according to claim 18, wherein the receiving element grooves have a teardrop shape.